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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 7

Complete If Known

Application Number	10/670,133
Filing Date	September 24, 2003
First Named Inventor	MacAuley
Art Unit	3679
Examiner Name	David Bochna
Attorney Docket Number	CRUI/0021

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
DB		US-268,868	12-12-1882	Collins	
		US- 782,349	02-14-1905	Marshall	
		US- 1,678,640	07-31-1928	Hall	
		US- 1,820,644	08-25-1931	Bach	
		US- 2,155,370	04-18-1939	Hall, et al.	
		US- 2,217,370	10-08-1940	Johnston	
		US- 2,226,804	12-31-1940	Carroll	
		US- 2,341,670	02-15-1944	Stinson	
		US- 2,407,552	09-10-1946	Hoesel	
		US- 2,751,238	08-19-1956	Vegren	
		US- 2,858,894	11-04-1958	Akeyson	
		US- 2,873,985	02-17-1959	Baldwin, Jr.	
		US- 2,898,136	08-04-1959	Hall, Sr., et al.	
		US- 3,062,568	11-06-1982	Andresen, et al.	
		US- 3,105,556	10-01-1983	Raulins	
		US- 3,353,599	11-21-1967	Swift	
		US- 3,419,079	12-31-1968	Current	
		US- 3,759,553	09-18-1973	Carter	
		US- 3,766,991	10-23-1973	Brown	
		US- 3,851,983	12-03-1974	MacKenzie	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)					
DB		DE 3413792		11-28-1985	Schafer		
		EP 0171144		02-12-1986	Stringfellow		
		EP 0447346		09-18-1991	Gabilondo		
		EP 0 659 975		06-28-1995	Nagaoka		
		EP 0 803 637		10-29-1997	Gallagher, et al.		
		EP 1 106 778		06-13-2001	Sivley IV, et al.		
		FR 2 742 177		06-13-1997	Benoit		
		GB 1,037,010		07-20-1966	Neuschotz		
		GB 2 033 942		05-29-1980	Nelson, et al.		

Examiner
Signature

David B. Bochna

Date
Considered

5/2/05

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449A/PTO <h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center;">(Use as many sheets as necessary)</p>		Complete If Known <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/670,133</td> </tr> <tr> <td>Filing Date</td> <td>September 24, 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>MacAuley</td> </tr> <tr> <td>Art Unit</td> <td>3679</td> </tr> <tr> <td>Examiner Name</td> <td>David Bochna</td> </tr> <tr> <td>Attorney Docket Number</td> <td>CRUI/0021</td> </tr> </table>		Application Number	10/670,133	Filing Date	September 24, 2003	First Named Inventor	MacAuley	Art Unit	3679	Examiner Name	David Bochna	Attorney Docket Number	CRUI/0021
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		Number - Kind Code ² (if known)			
DB		US-3,855,126	12-17-1974	Smith	
		US- 3,857,450	12-31-1974	Guier	
		US- 3,913,687	10-21-1975	Gyongyosi, et al.	
		US- 3,989,284	11-02-1976	Blose	
		US- 4,076,280	02-28-1978	Young	
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		US- 4,611,838	09-16-1986	Heilmann, et al.	
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		US- 4,712,955	12-15-1987	Reece, et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ² - Number ⁴ - Kind Code ⁵ (if known)				
DB3		GB 2 099 529	12-08-1982	McCugan		
		GB 2 161 569	01-15-1986	Reimert		
		GB 2 371 574	07-31-2002	Johnson, et al.		
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		WO 00/08301	02-17-2000	Metcalfe		
		WO 00/37766	06-29-2000	Simpson		
		WO 01/60545	08-23-2001	Cook, et al.		
		WO 90/11455	10-04-1990	Eaton		

Examiner Signature		Date Considered	5/2/05
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		First Named Inventor	MacAuley
		Art Unit	3679
		Examiner Name	David Bochna
		Attorney Docket Number	CRUI/0021
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U.S. PATENT DOCUMENTS					
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		Number - Kind Code ² (if known)			
DB		US-4,753,460	06-28-1988	Tung	
		US- 4,754,807	07-05-1988	Lange	
		US- 4,771,829	09-20-1988	Sparlin	
		US- 4,778,008	10-18-1988	Gonzalez, et al.	
		US- 4,786,090	11-22-1988	Mott	
		US- 4,793,422	12-27-1988	Krasnov	
		US- 4,813,493	03-21-1989	Shaw, et al.	
		US- 4,822,081	04-18-1989	Biose	
		US- 4,878,546	11-07-1989	Shaw, et al.	
		US- 4,892,337	01-09-1990	Gunderson, et al.	
		US- 4,917,409	04-17-1990	Reeves	
		US- 4,985,975	01-22-1991	Austin, et al.	
		US- 5,015,017	05-14-1991	Geary	
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		US- 5,181,570	01-26-1993	Allwin, et al.	
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		US- 5,348,095	09-20-1994	Worrall, et al.	

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Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
DB		WO 93/12323	06-24-1993	Krylov, et al.		
		WO 93/25800	12-23-1993	Lohbeck		
		WO 96/37680	11-28-1996	Lohbeck		
		WO 96/37681	11-28-1996	Campbell		
		WO 96/37687	11-28-1996	Schaeffler		
		WO 97/17524	05-15-1997	Donnelly, et al.		
		WO 97/21901	06-19-1997	Campbell		
		WO 98/22690	05-28-1998	Lohbeck		
		WO 98/32948	07-30-1998	Pietras		

Examiner Signature	<i>D. Bochna</i>	Date Considered	5/2/05
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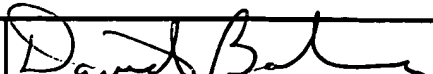
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		Number - Kind Code ² (if known)			
DB		US-5,350,202	09-27-1994	Fritz, et al.	
		US- 5,360,240	11-01-1994	Mott	
		US- 5,366,012	11-22-1994	Lohbeck	
		US- 5,388,651	02-14-1995	Berry	
		US- 5,415,442	05-16-1995	Klementich	
		US- 5,480,196	01-02-1996	Adams, Jr.	
		US- 5,518,072	05-21-1996	McTernaghan	
		US- 5,520,422	05-28-1996	Friedrich, et al.	
		US- 5,667,011	09-16-1997	Gill, et al.	
		US- 5,743,333	04-28-1998	Willauer, et al.	
		US- 5,782,503	07-21-1998	Noel, et al.	
		US- 5,787,980	08-04-1998	Sparlin, et al.	
		US- 5,810,401	09-22-1998	Mosing, et al.	
		US- 5,855,242	01-05-1999	Johnson	
		US- 5,901,789	05-11-1999	Donnelly, et al.	
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		US- 5,924,745	07-20-1999	Campbell	
		US- 5,984,568	11-16-1999	Lohbeck	
		US- 6,012,522	01-11-2000	Donnelly, et al.	
		US- 6,109,349	08-29-2000	Simone, et al.	

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		Country Code ² - Number ³ - Kind Code ⁴ (if known)				
DB		WO 98/47805	10-29-1998	Casey, et al.		
		WO 98/42947	10-01-1998	McCallum		
		WO 02/059458	08-01-2002	King, et al.		
		WO 02/075197	09-26-2002	Delange, et al.		
		WO 02/10551	02-07-2002	Cook, et al.		
		WO 03/006788	01-23-2003	Lohbeck, et al.		
		WO 03/032331	04-17-2003	Sivley		
		WO 03/036012	05-01-2003	Sivley		
DB		WO 03/036017	05-01-2003	Pedersen, et al.		

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DB		US-6,142,230	11-07-2000	Smalley, et al.	
		US- 6,158,507	12-12-2000	Rouse, et al.	
		US- 6,158,785	12-12-2000	Beaulier, et al.	
		US- 6,189,619	02-20-2001	Wyatt, et al.	
		US- 6,203,766	03-20-2001	Kawakami, et al.	
		US- 6,270,127	08-07-2001	Enderle	
		US- 6,273,634	08-14-2001	Lohbeck	
		US- 6,315,040	11-13-2001	Donnelly	
		US- 6,322,109	11-27-2001	Campbell, et al.	
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		US- 6,457,532	10-01-2002	Simpson	
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		US- 6,481,760	11-19-2002	Noel, et al.	
		US- 6,543,816	01-08-2003	Noel	
		US- 6,554,287	04-29-2003	Sivley, IV, et al.	
		US- 6,581,980	06-24-2003	DeLange, et al.	

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DB		WO 03/048503	06-12-2003	Simpson, et al.		
		WO 03/048506	06-12-2003	Guillory, et al.		
		WO 03/078882	09-25-2003	Hashem		

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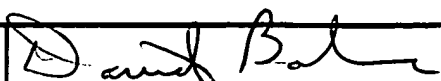
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DVB		US-6,607,220	08-19-2003	Sivley, IV	
		US- 6,619,696	09-16-2003	Baugh, et al.	
		US- 6,622,797	09-23-2003	Sivley, IV	
		US- 6,648,071	11-18-2003	Hackworth, et al.	
		US- 6,685,236	02-03-2004	Setterberg, Jr.	
		US- 6,708,767	03-23-2004	Harrall, et al.	
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		US- 2001/0038206	11-08-2001	Olechnowicz, et al.	
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		US- 2002/0070031	06-13-2002	Voll, et al.	
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		US- 2002/0163192	11-07-2002	Coulon, et al.	
		US- 2003/0024708	02-06-2003	Ring, et al.	
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Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	† ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature		Date Considered	5/2/05
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STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 7 of 7

Complete if Known

Application Number	10/670,133
Filing Date	September 24, 2003
First Named Inventor	MacAuley
Art Unit	3679
Examiner Name	David Bochna
Attorney Docket Number	CRUI/0021

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (# known)				

Examiner
Signature

David Bochna

Date
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